

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111633.D
 Acq On : 20 Dec 2018 12:21
 Operator : JU/SJ
 Sample : J6490-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 14:07:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	195922	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	745038	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	373235	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	654103	20.00	ng	0.00
76) Chrysene-d12	14.04	240	462146	20.00	ng	0.00
87) Perylene-d12	15.52	264	490758	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1188461	103.40	ng	0.00
7) Phenol-d6	6.52	99	1566856	107.11	ng	0.00
23) Nitrobenzene-d5	7.45	82	974828	76.16	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	430149	97.54	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1879767	73.41	ng	0.00
79) Terphenyl-d14	13.00	244	1620359	66.49	ng	0.00

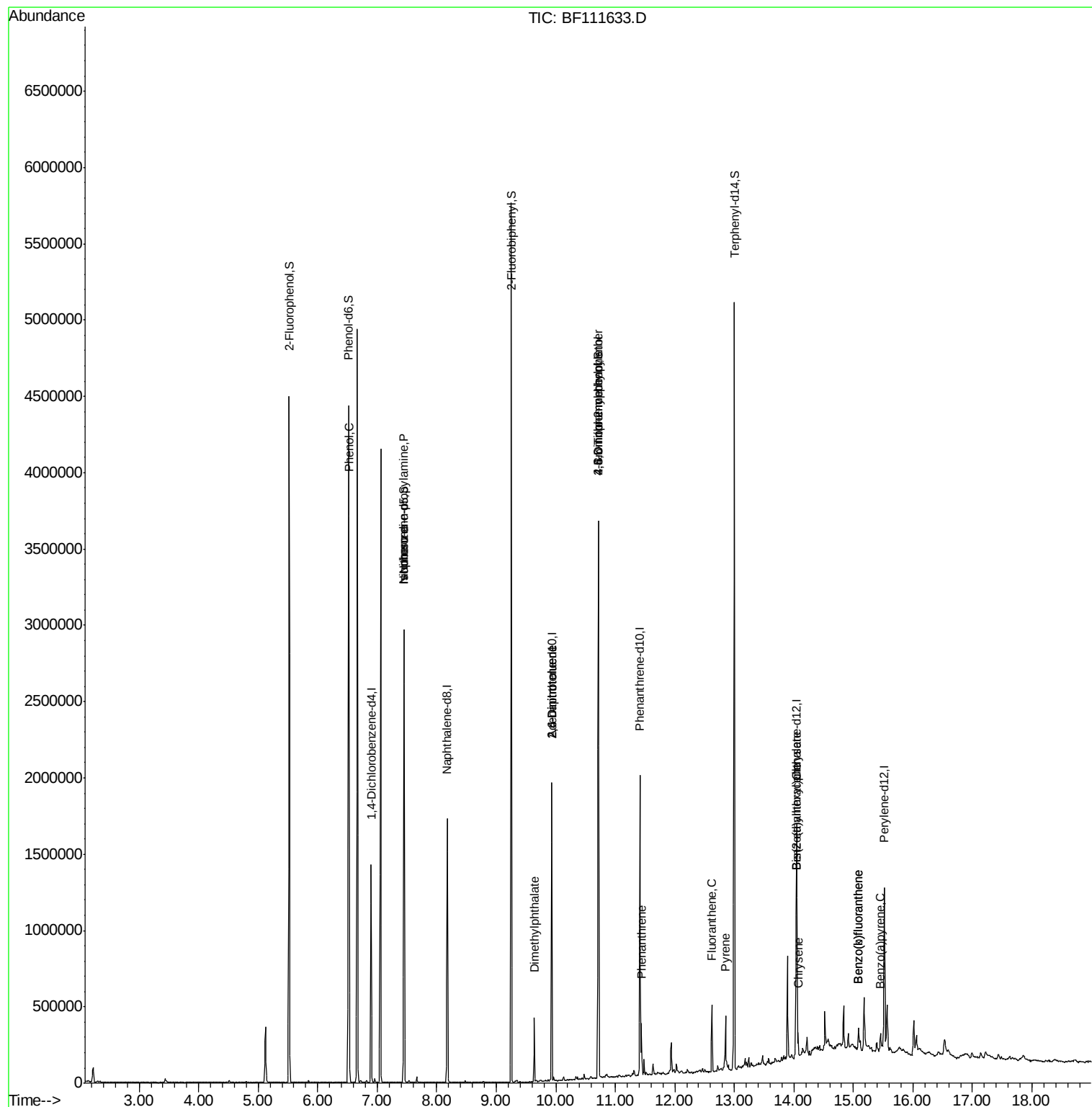
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	65842	3.989	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	131696	13.556	ng	# 81
25) Isophorone	7.45	82	974815	42.900	ng	# 64
50) Dimethylphthalate	9.64	163	139275	5.103	ng	97
51) 2,6-Dinitrotoluene	9.93	165	49019	9.007	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	49019	7.494	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	971	7.002	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	26874	3.312	ng	# 1
71) Phenanthrene	11.44	178	125138	3.607	ng	94
75) Fluoranthene	12.62	202	169770	4.833	ng	94
78) Pyrene	12.85	202	132230	4.052	ng	94
81) Benzo(a)anthracene	14.03	228	74149	2.811	ng	97
83) Chrysene	14.07	228	62196	2.399	ng	92
84) Bis(2-ethylhexyl)phthalate	14.03	149	58537	3.493	ng	# 97
88) Benzo(b)fluoranthene	15.09	252	102871	3.587	ng	98
89) Benzo(k)fluoranthene	15.09	252	102871	3.767	ng	98
90) Benzo(a)pyrene	15.46	252	53904	2.069	ng	# 95

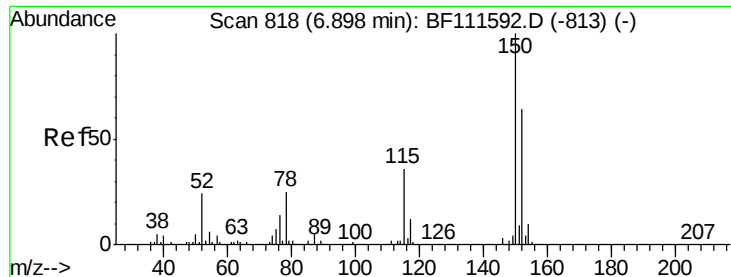
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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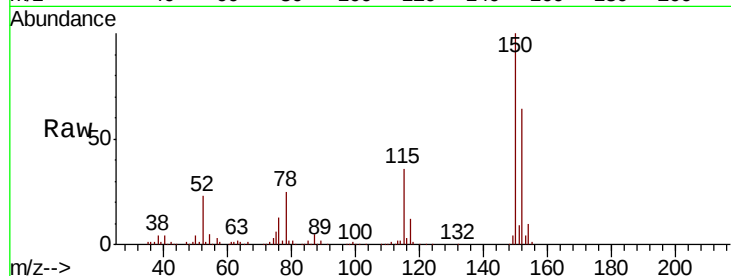


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.6	189.8
115	56.7	50.7	76.1

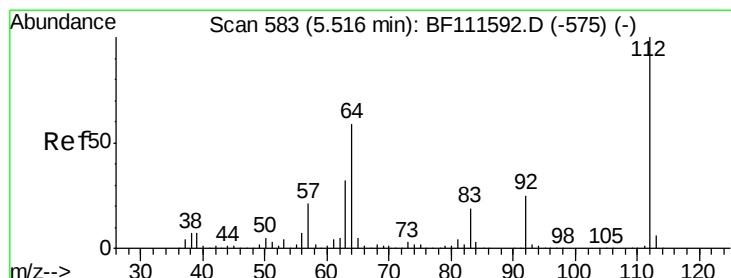
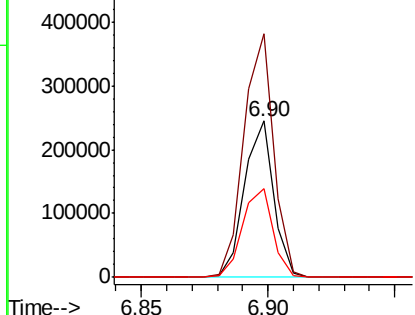
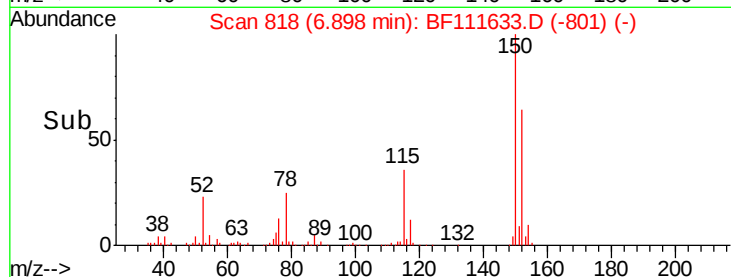


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

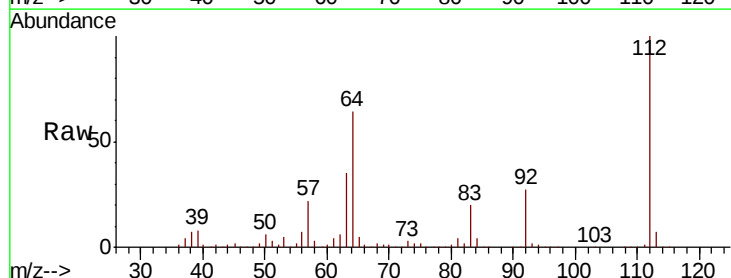
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.397 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.8	77.6
63	34.5	26.8	40.2

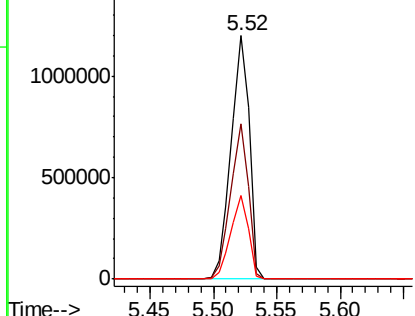
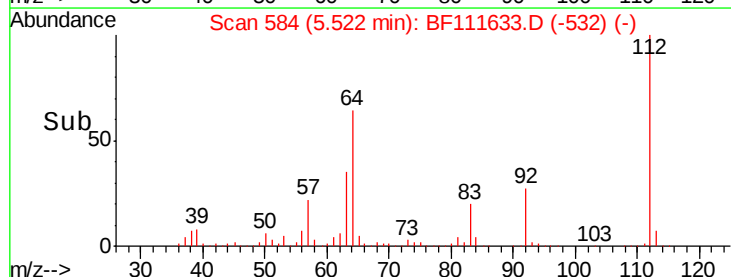


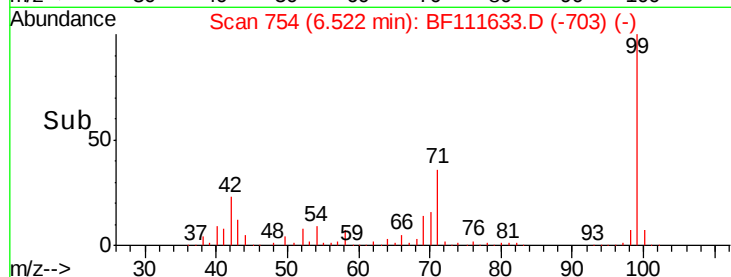
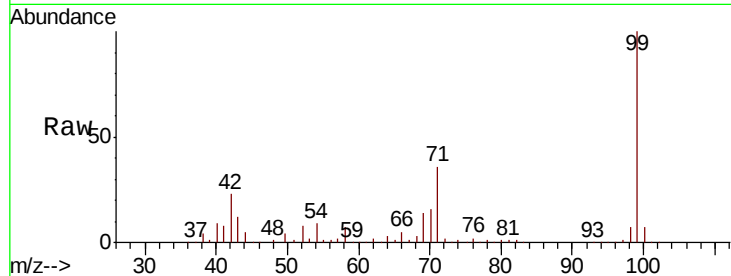
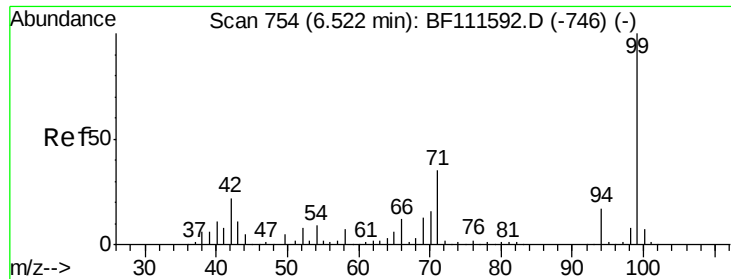
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.113 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Instrument :

BNA_F

ClientSampleId :

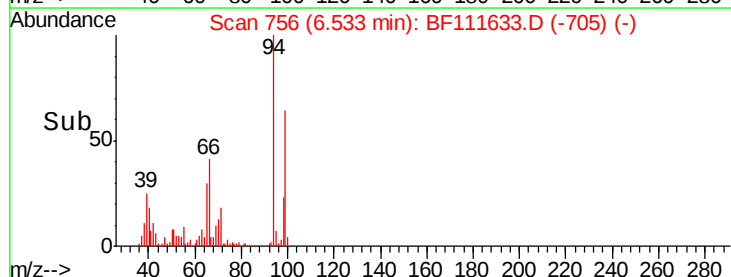
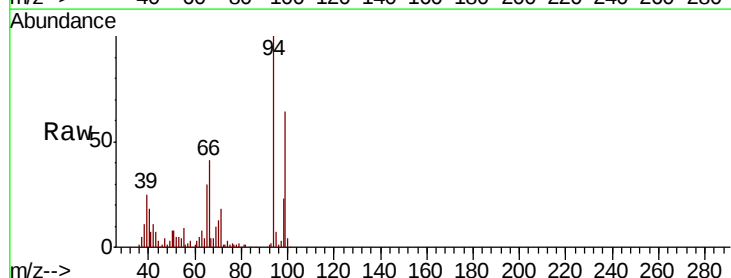
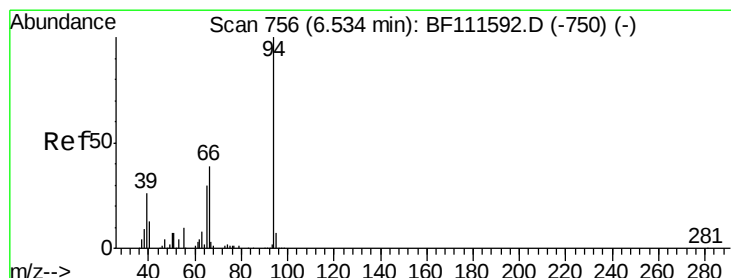
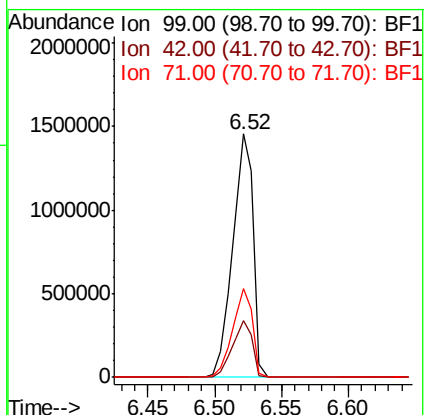
Tot Ion: 99 Resp: 1566856

Ion Ratio Lower Upper

99 100

42 23.2 17.4 26.0

71 36.4 26.1 39.1



#10

Phenol

Concen: 3.989 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

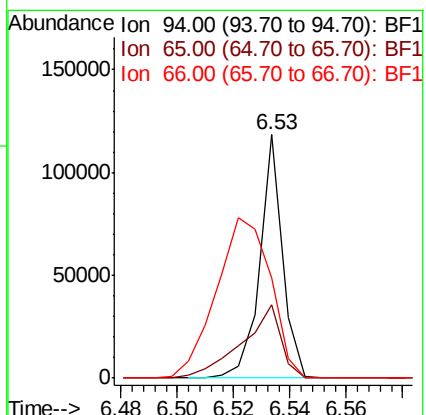
Tgt Ion: 94 Resp: 65842

Ion Ratio Lower Upper

94 100

65 29.9 11.7 51.7

66 41.1 21.0 61.0

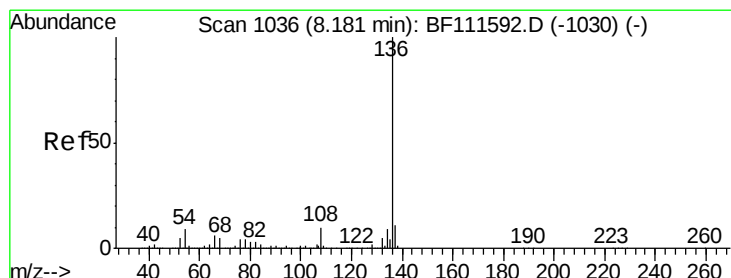
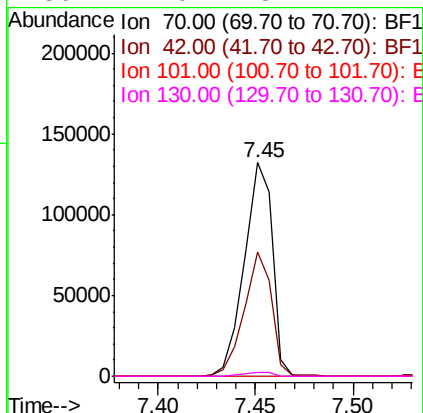
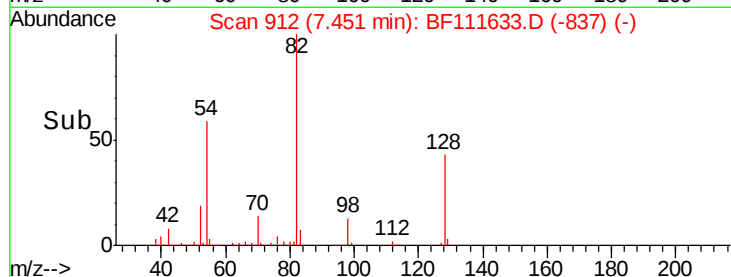
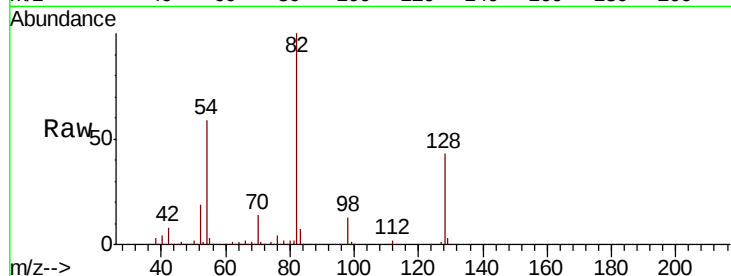




#19
n-Nitroso-di-n-propylamine
Concen: 13.556 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

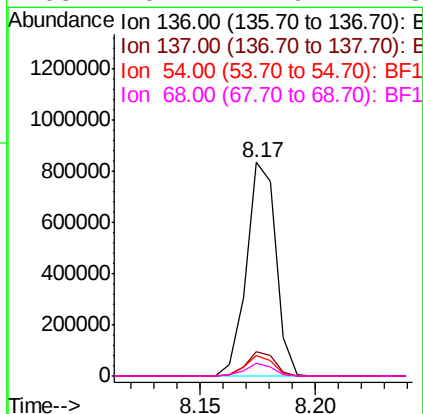
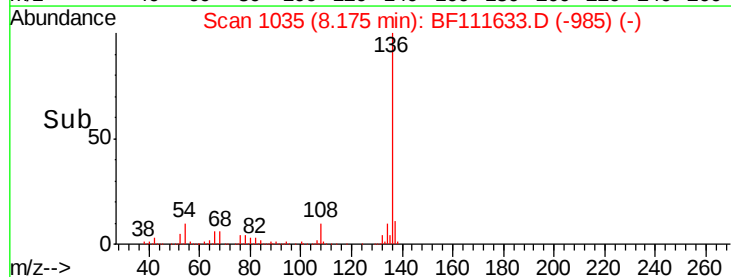
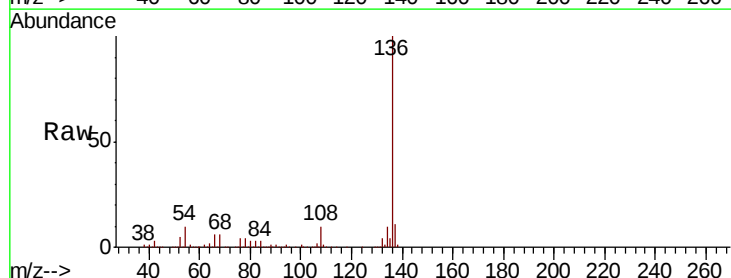
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 131696
Ion Ratio Lower Upper
70 100
42 58.4 53.2 79.8
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion: 136 Resp: 745038
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 9.7 7.7 11.5
68 6.1 4.9 7.3

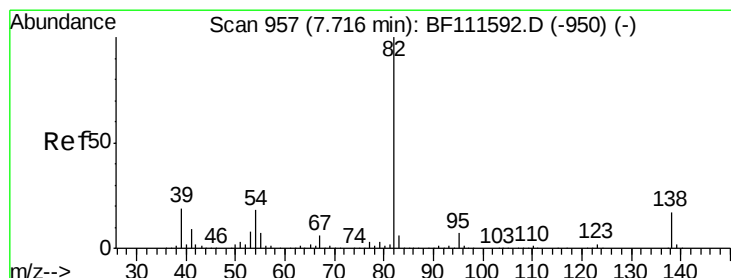
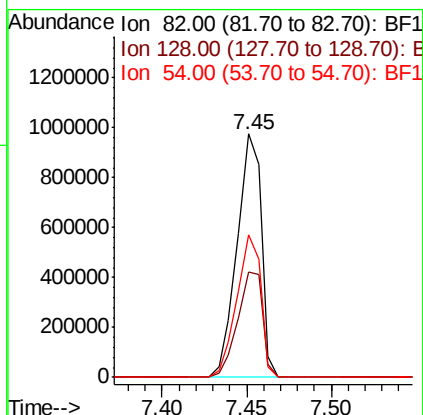
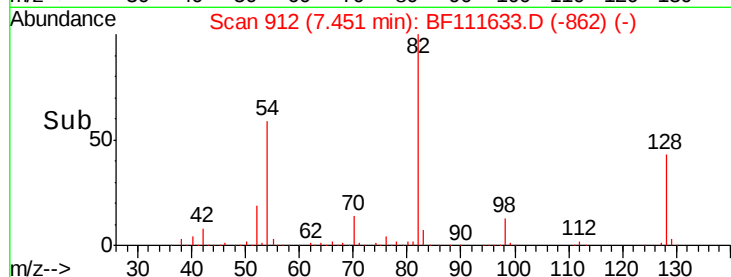
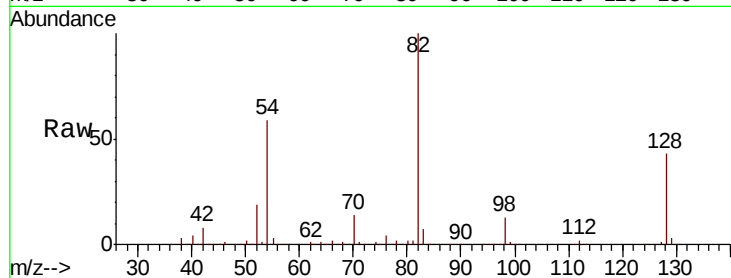




#23
Nitrobenzene-d5
Concen: 76.161 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

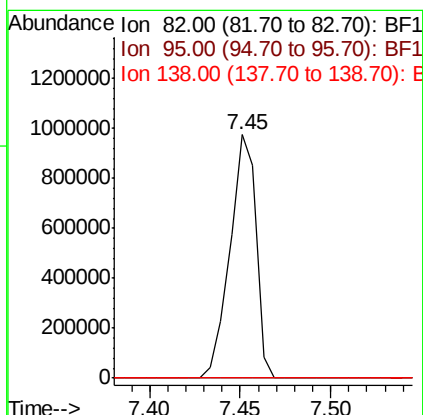
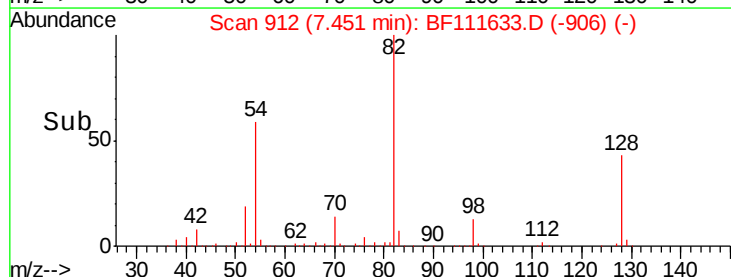
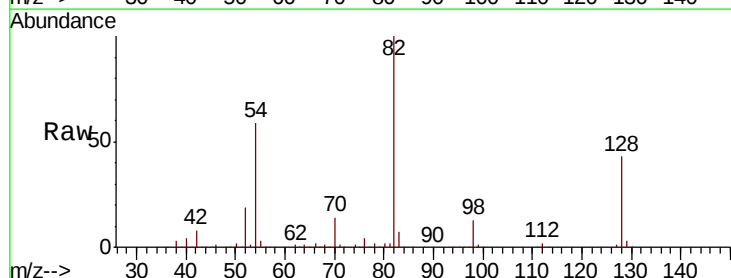
Instrument :
BNA_F
ClientSampled :

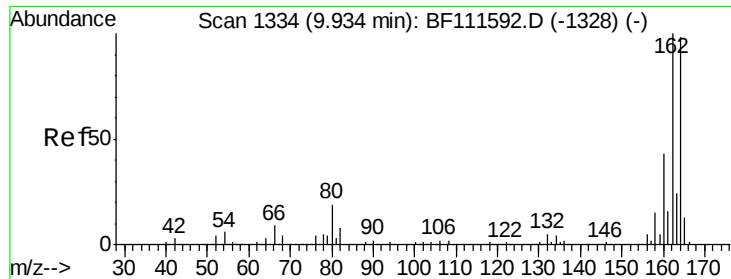
Tot Ion: 82 Resp: 974828
Ion Ratio Lower Upper
82 100
128 43.1 37.4 56.2
54 58.5 47.6 71.4



#25
Isophorone
Concen: 42.900 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion: 82 Resp: 974815
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

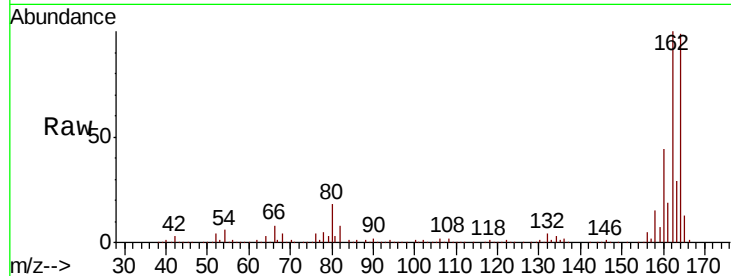




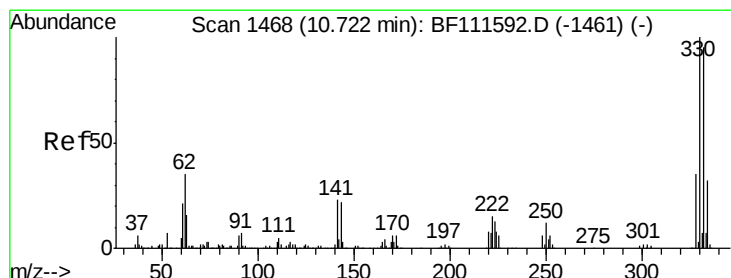
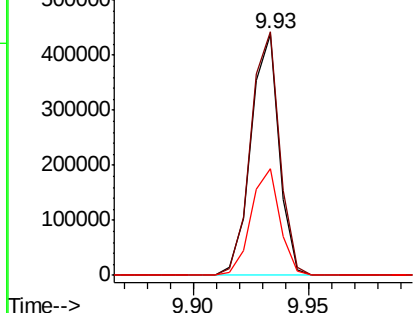
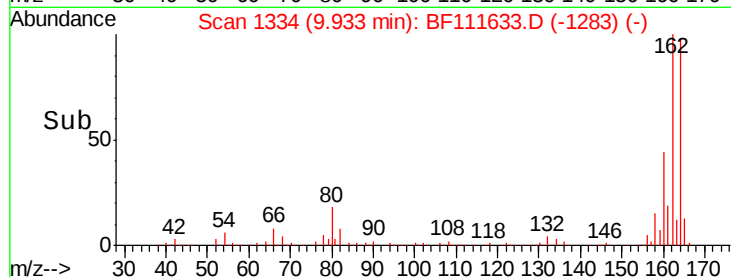
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 373235
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 44.4 35.7 53.5

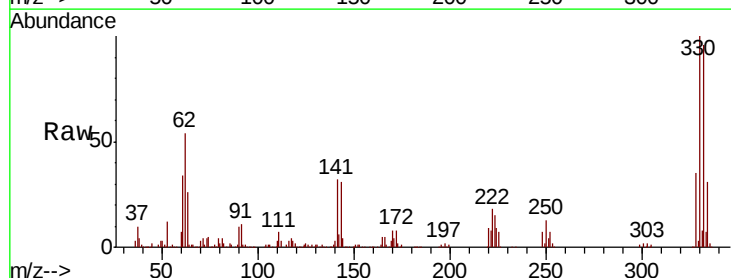


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

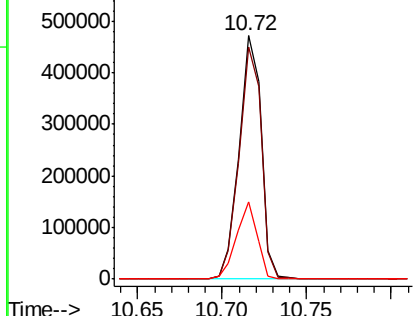
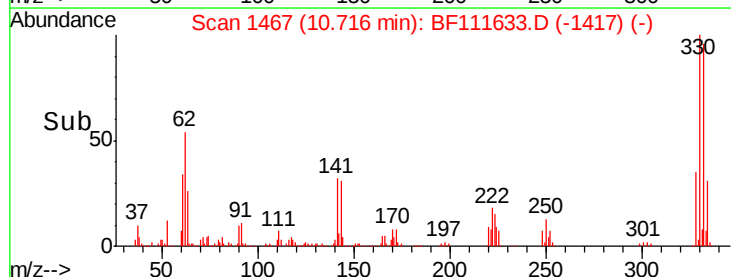


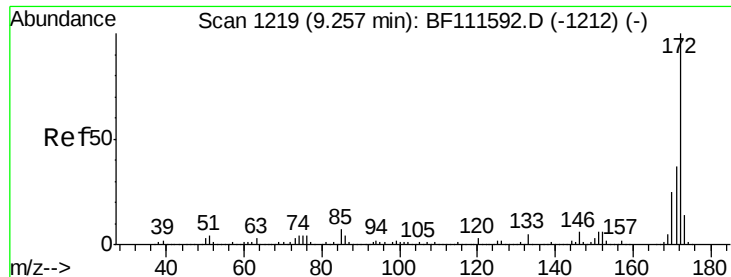
#42
2,4,6-Tribromophenol
Concen: 97.538 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion:330 Resp: 430149
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 29.7 31.0 46.6#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



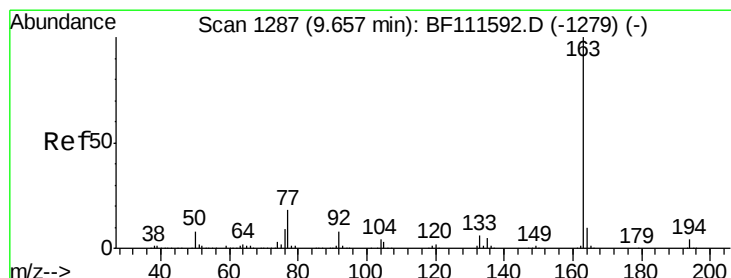
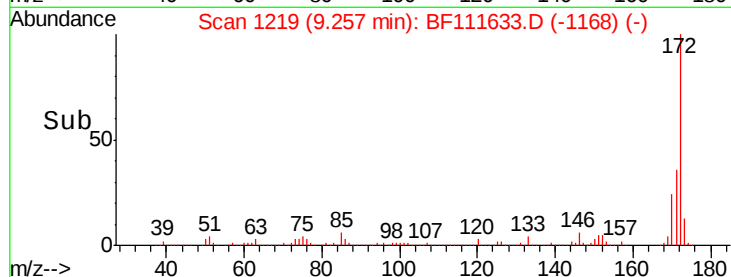
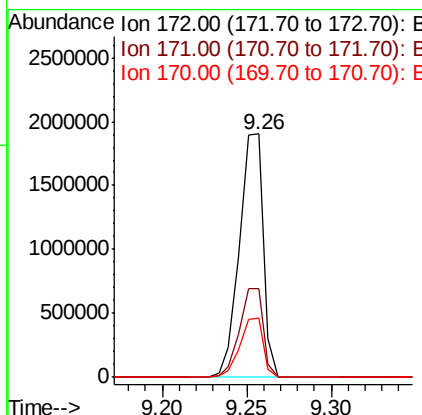
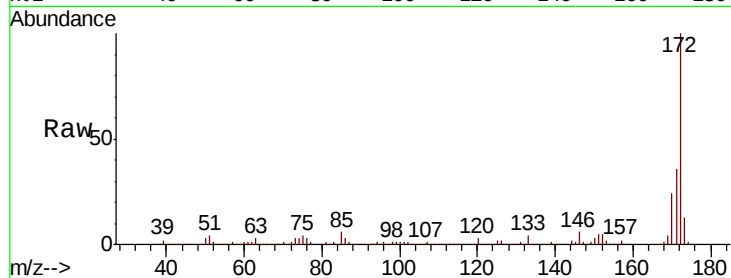


#45
 2-Fluorobiphenyl
 Concen: 73.410 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111633.D
 Acq: 20 Dec 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1879767

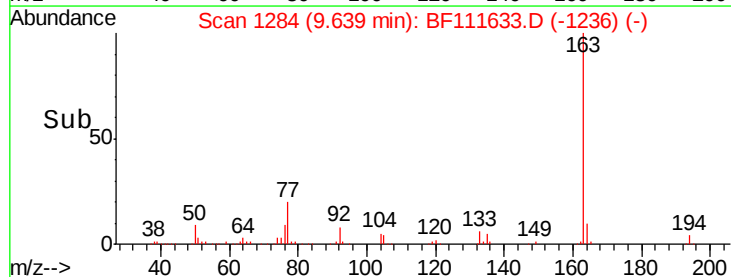
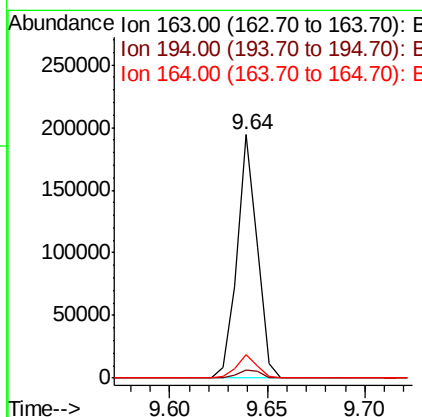
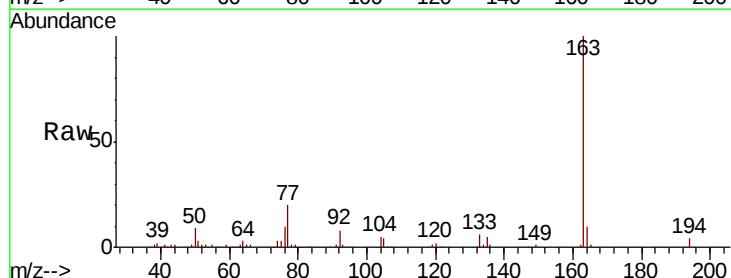
Ion	Ratio	Lower	Upper
172	100		
171	36.4	33.0	49.4
170	24.3	22.3	33.5

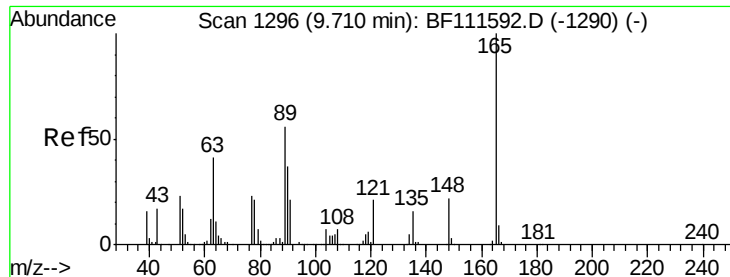


#50
 Dimethylphthalate
 Concen: 5.103 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.02 min
 Lab File: BF111633.D
 Acq: 20 Dec 2018 12:21

Tgt Ion:163 Resp: 139275

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.7	8.9	13.3





#51

2,6-Dinitrotoluene

Concen: 9.007 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Instrument :

BNA_F

ClientSampleId :

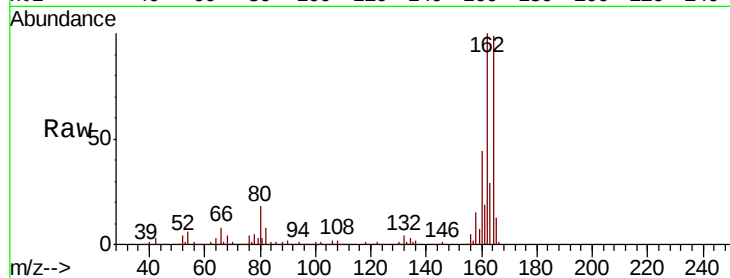
Tot Ion:165 Resp: 49019

Ion Ratio Lower Upper

165 100

63 1.6 40.5 60.7#

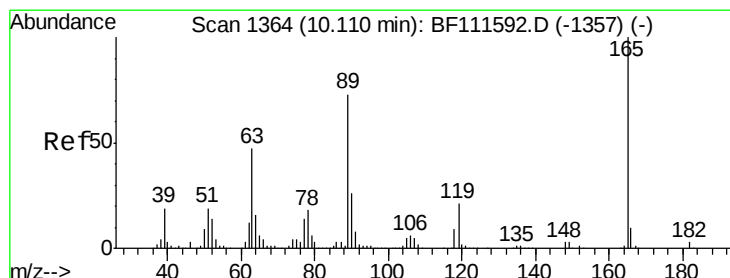
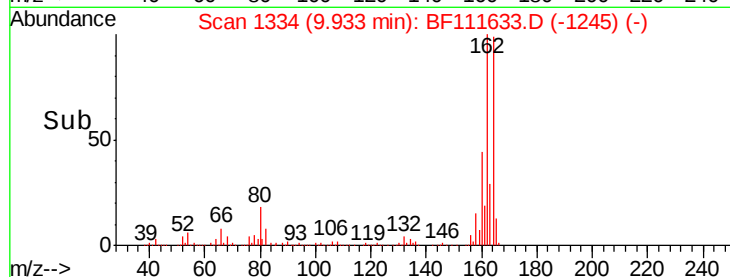
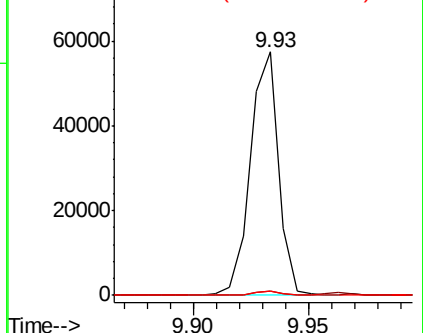
89 1.8 40.0 60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.494 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Tgt Ion:165 Resp: 49019

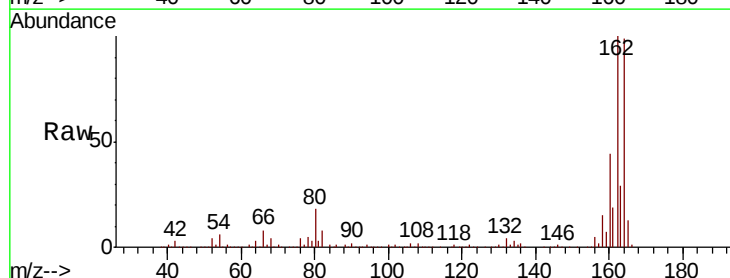
Ion Ratio Lower Upper

165 100

63 1.6 34.6 52.0#

89 1.8 56.2 84.4#

182 0.0 1.8 2.6#

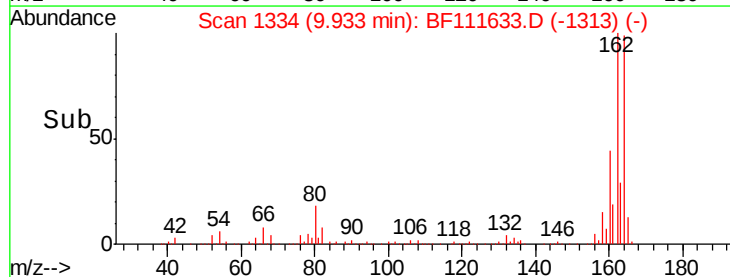
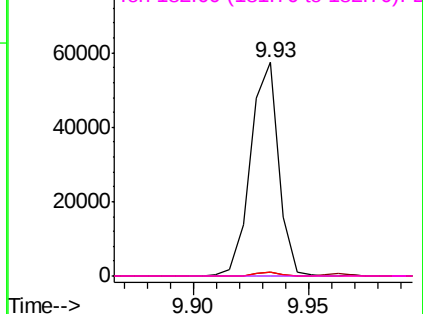


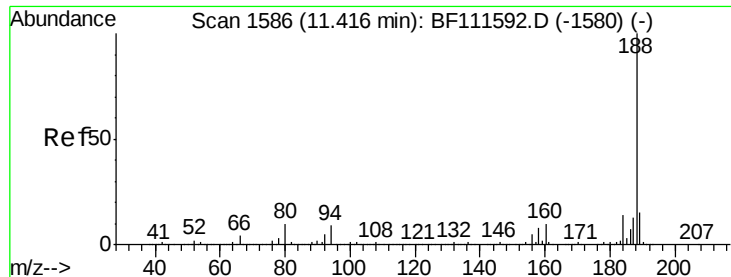
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

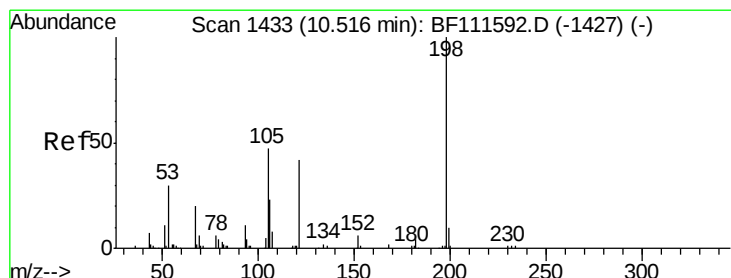
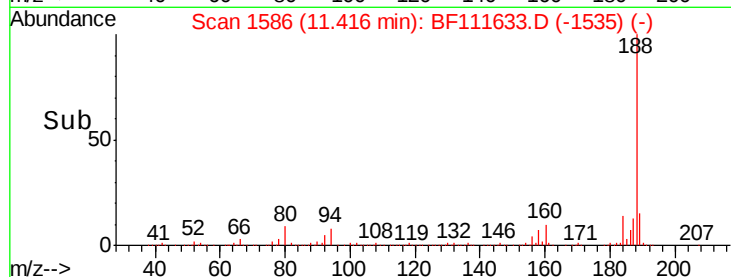
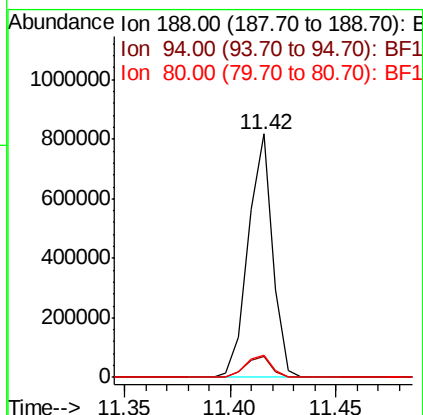
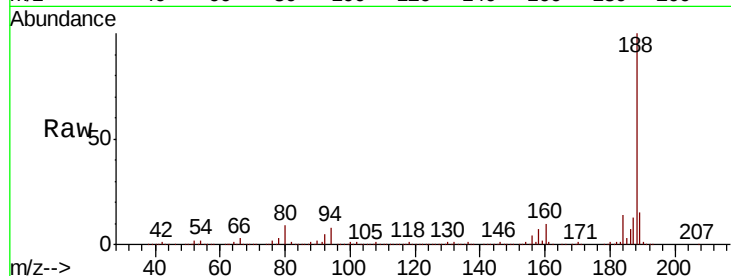




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111633.D
 Acq: 20 Dec 2018 12:21

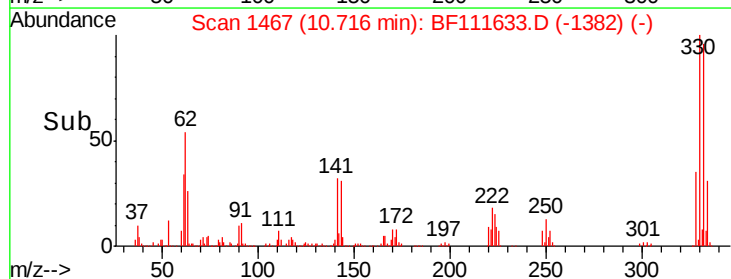
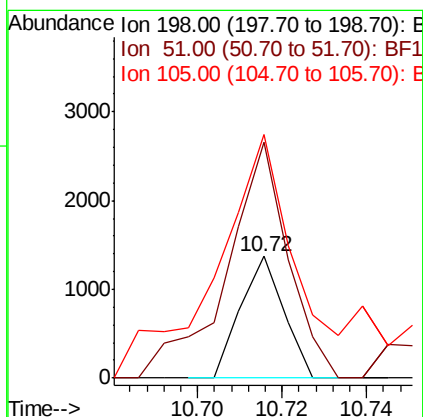
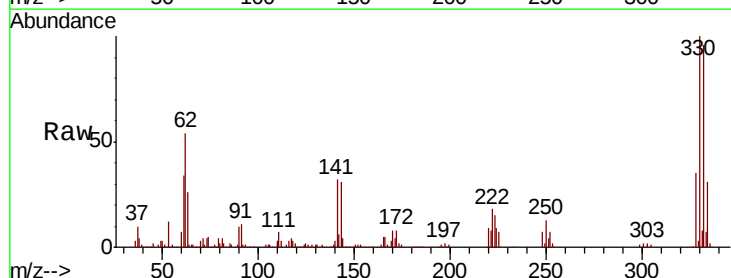
Instrument :
 BNA_F
 ClientSampleId :

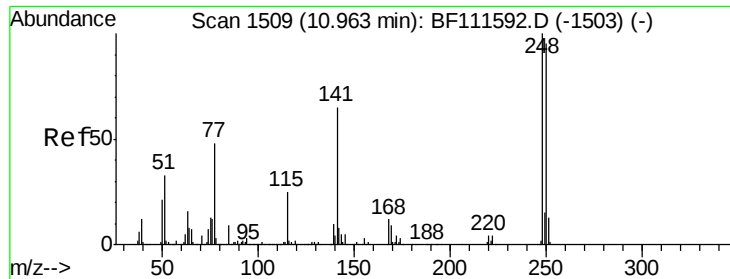
Tot Ion:188 Resp: 654103
 Ion Ratio Lower Upper
 188 100
 94 8.3 9.6 14.4#
 80 8.9 9.8 14.6#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.002 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.20 min
 Lab File: BF111633.D
 Acq: 20 Dec 2018 12:21

Tgt Ion:198 Resp: 971
 Ion Ratio Lower Upper
 198 100
 51 193.9 48.0 88.0#
 105 200.5 34.0 74.0#

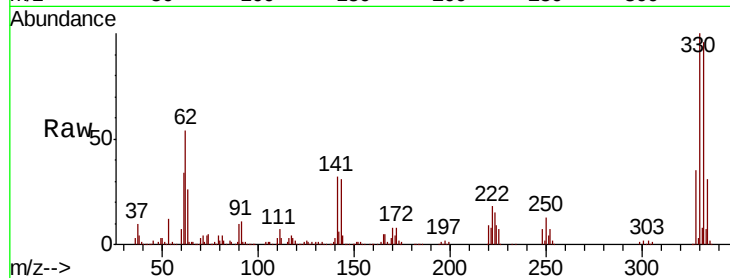




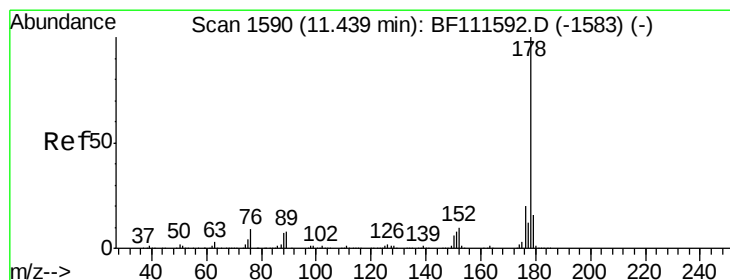
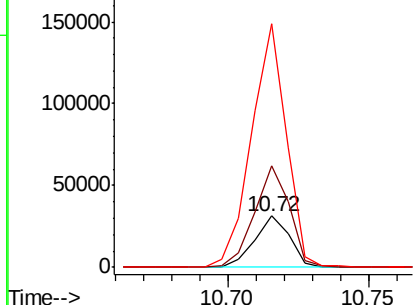
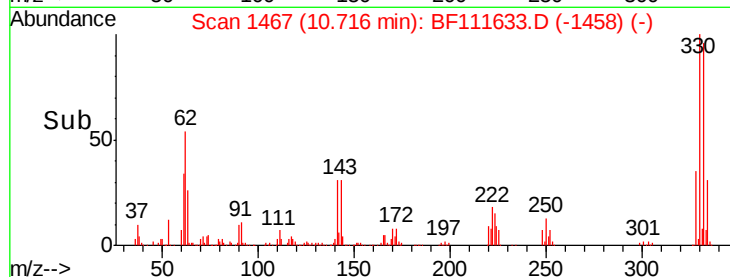
#67
4-Bromophenyl-phenylether
Concen: 3.312 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 26874
Ion Ratio Lower Upper
248 100
250 198.3 77.0 115.4#
141 476.9 63.0 94.6#

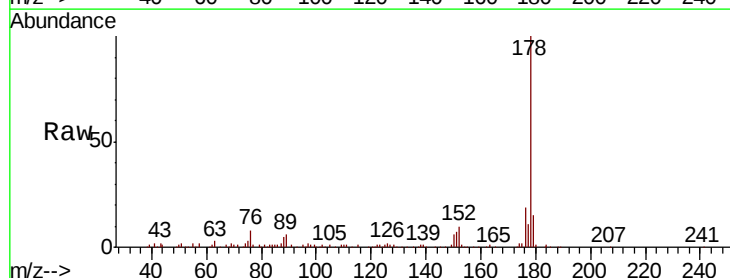


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

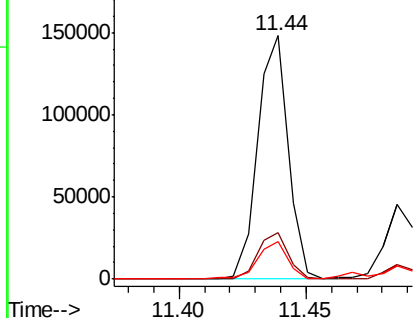
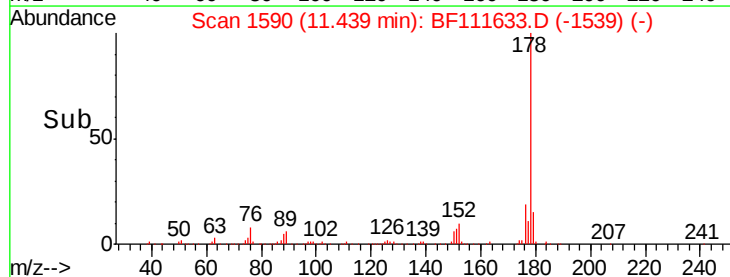


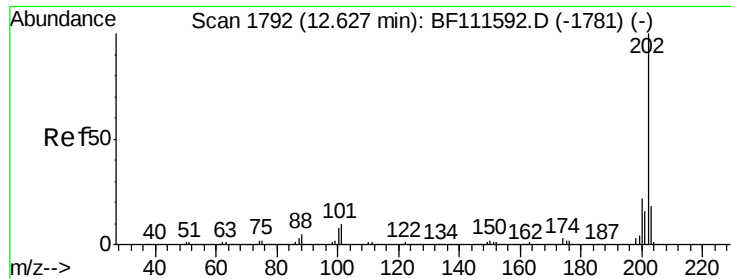
#71
Phenanthrene
Concen: 3.607 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion:178 Resp: 125138
Ion Ratio Lower Upper
178 100
176 19.0 18.1 27.1
179 15.3 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.833 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Instrument :

BNA_F

ClientSampled :

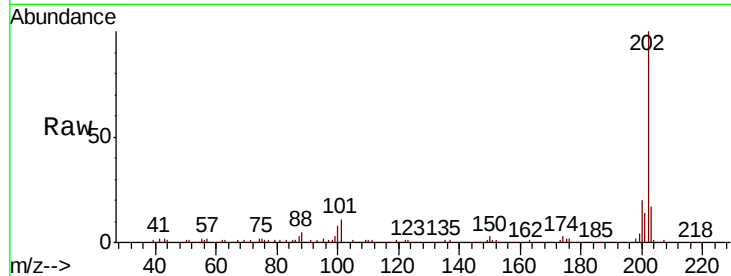
Tot Ion:202 Resp: 169770

Ion Ratio Lower Upper

202 100

101 10.7 0.0 33.8

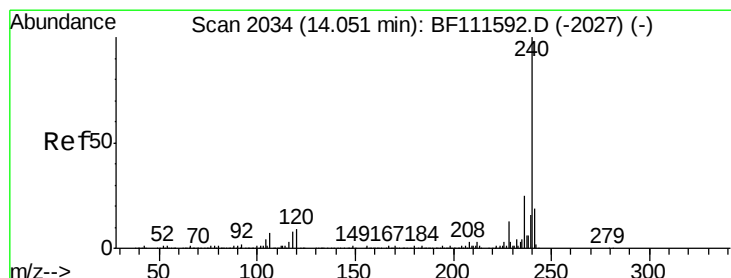
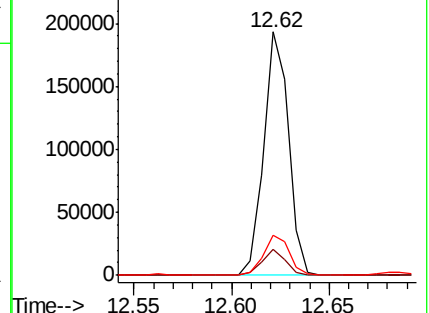
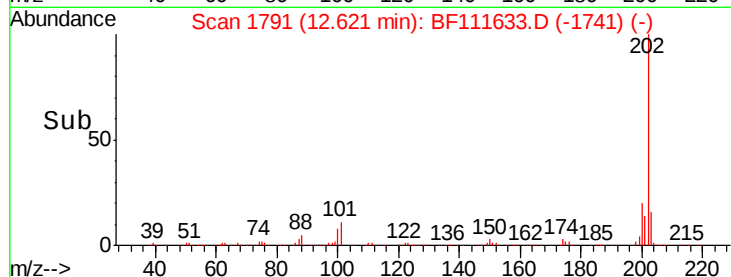
203 16.7 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

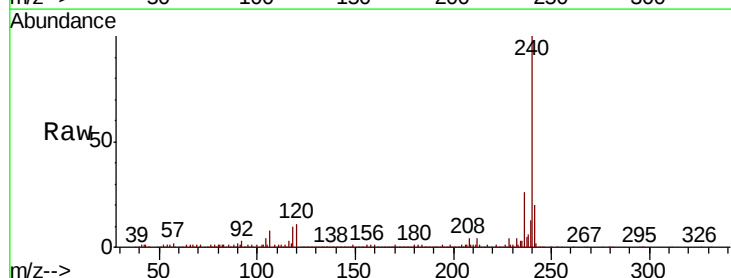
Tgt Ion:240 Resp: 462146

Ion Ratio Lower Upper

240 100

120 10.6 12.2 18.2#

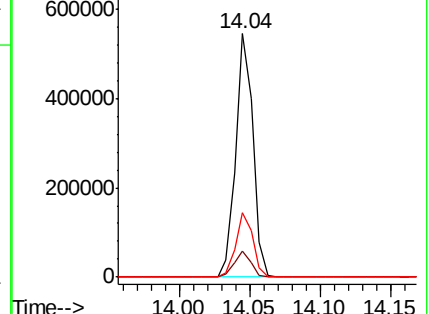
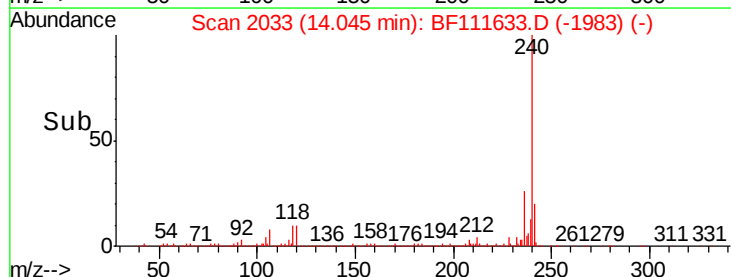
236 26.3 20.2 30.2

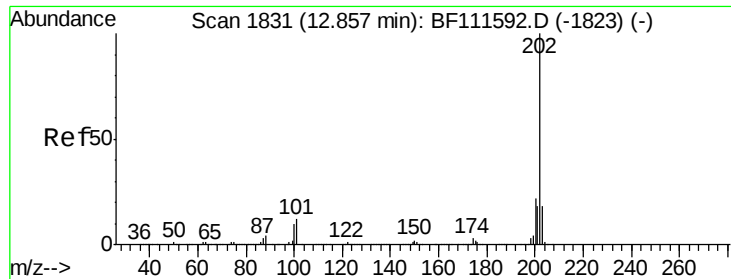


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

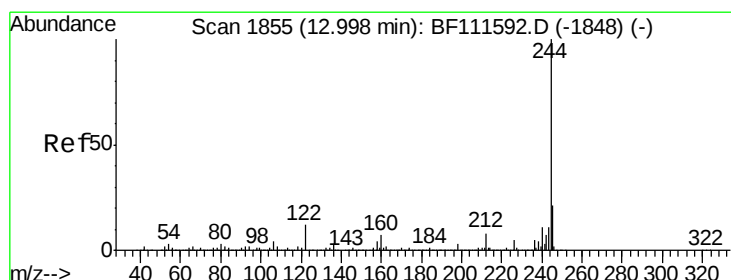
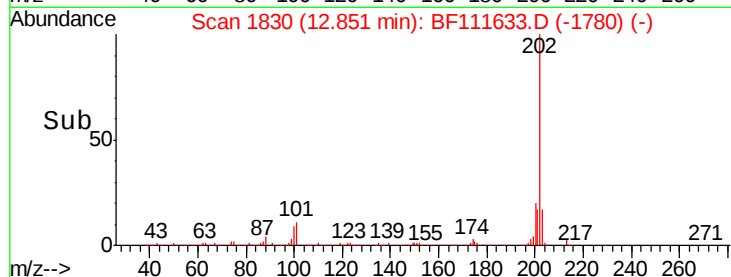
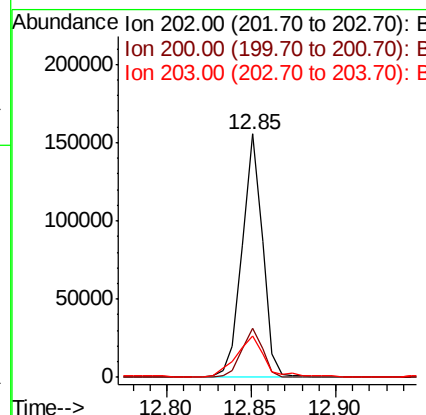
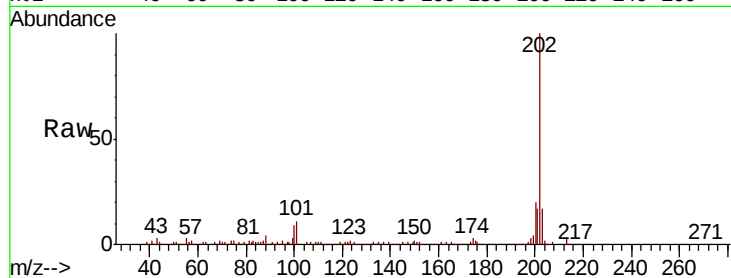




#78
Pvrene
Concen: 4.052 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

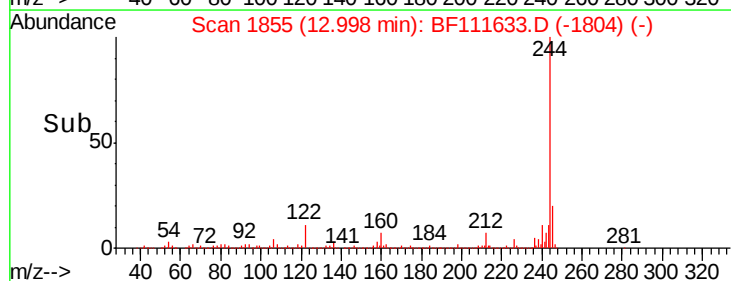
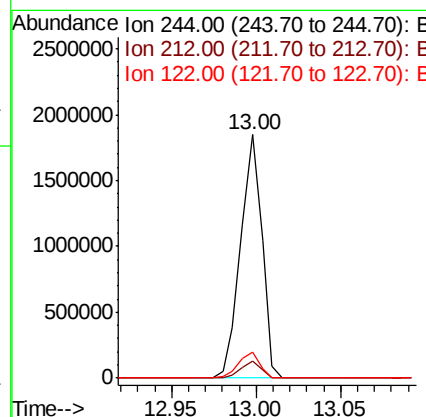
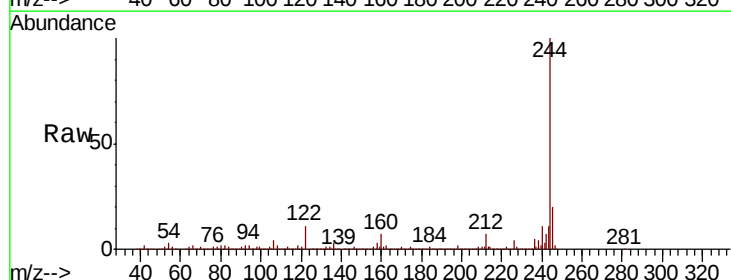
Instrument :
BNA_F
ClientSampleId :

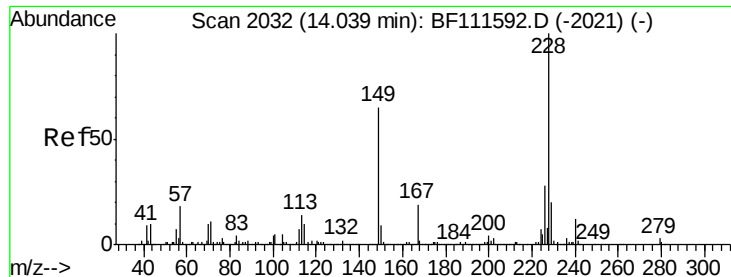
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	19.0	28.4
203	17.0	15.2	22.8



#79
Terphenyl-d14
Concen: 66.491 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.8	13.1	19.7#

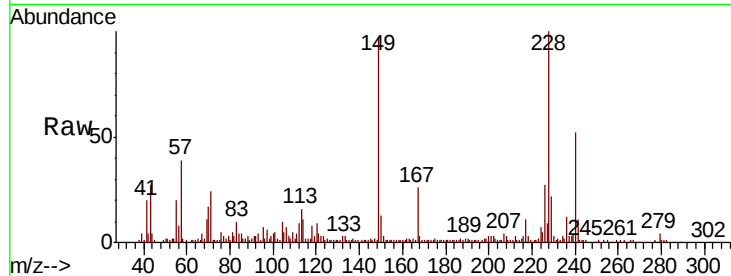




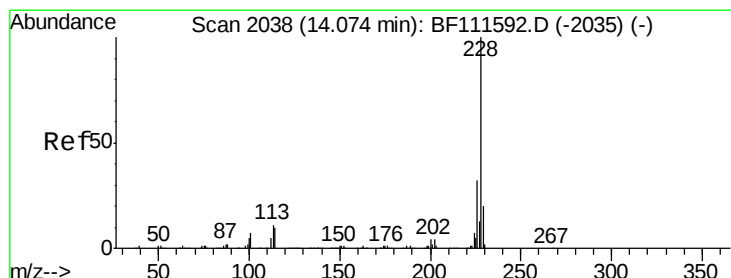
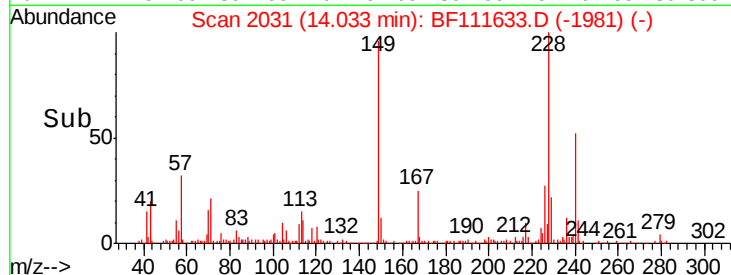
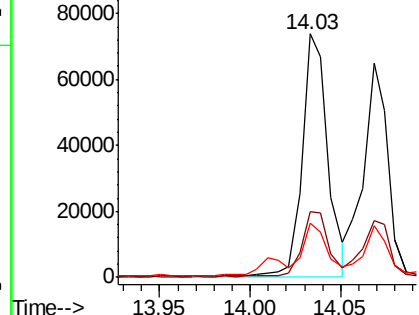
#81
Benzo(a)anthracene
Concen: 2.811 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 74149
Ion Ratio Lower Upper
228 100
226 26.8 22.6 34.0
229 22.4 16.3 24.5

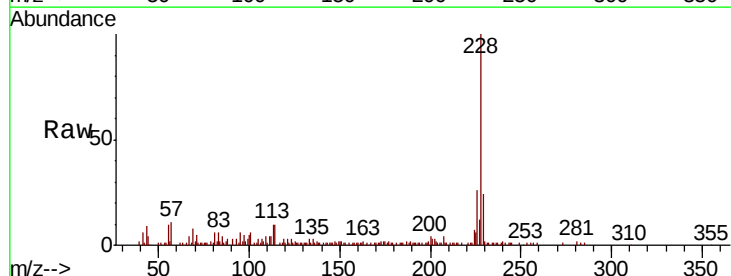


Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

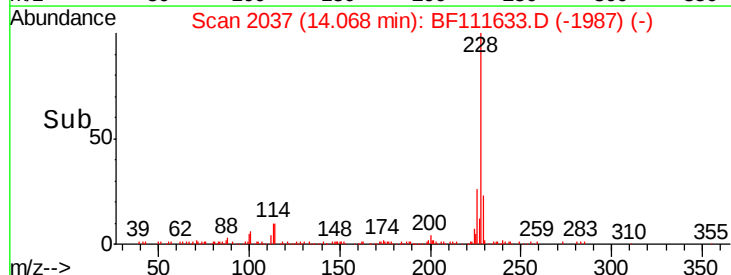
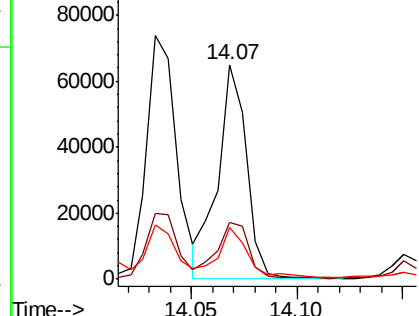


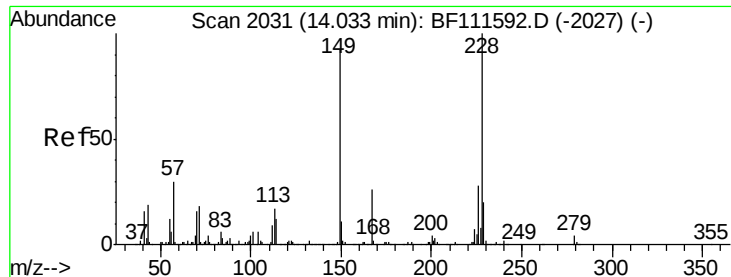
#83
Chrysene
Concen: 2.399 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion:228 Resp: 62196
Ion Ratio Lower Upper
228 100
226 26.4 25.3 37.9
229 24.0 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.493 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Instrument :

BNA_F

ClientSampleId :

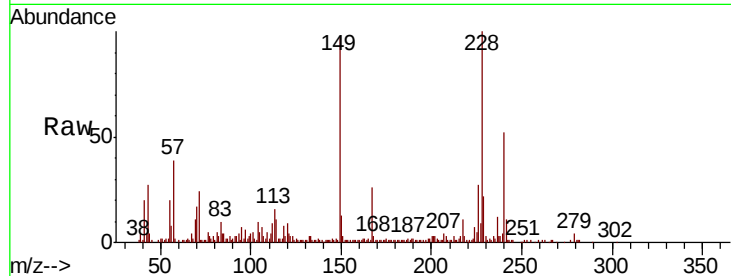
Tot Ion:149 Resp: 58537

Ion Ratio Lower Upper

149 100

167 26.7 22.5 33.7

279 4.2 2.6 4.0#

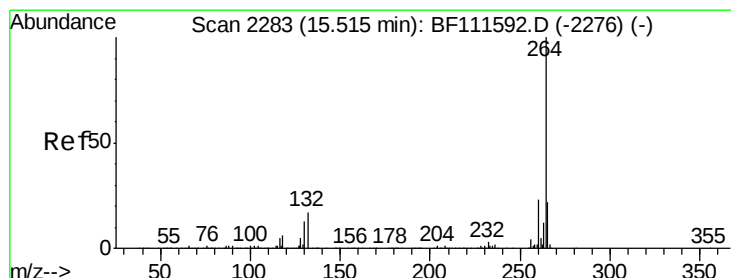
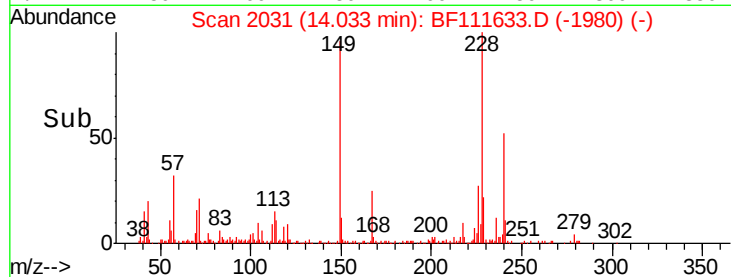
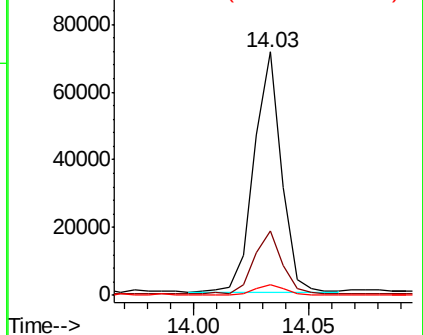


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

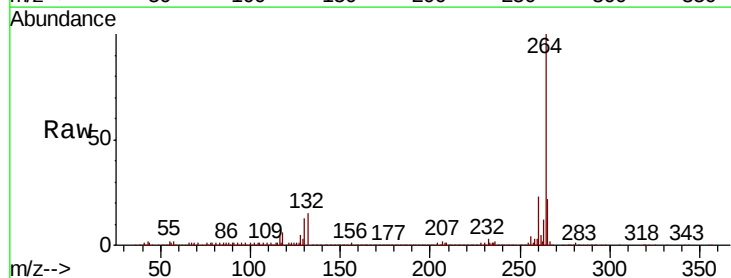
Tgt Ion:264 Resp: 490758

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 22.1 17.7 26.5

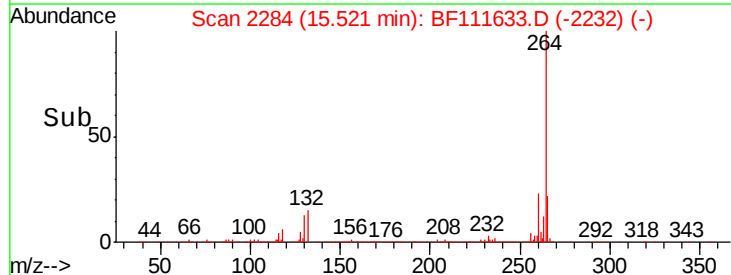
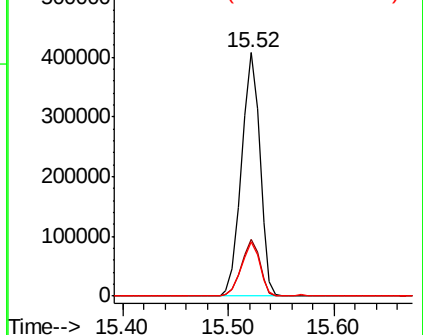


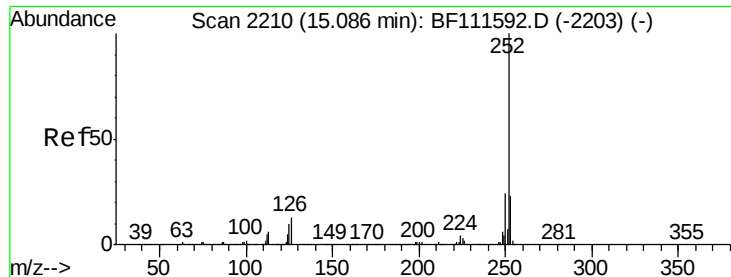
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

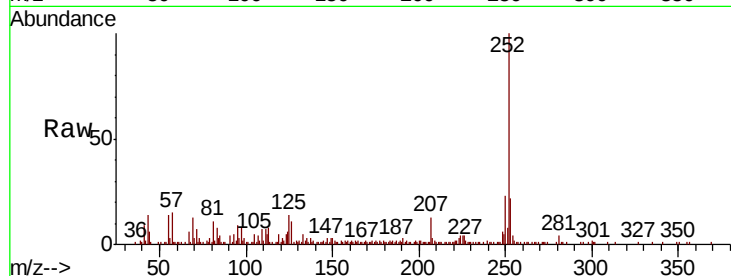




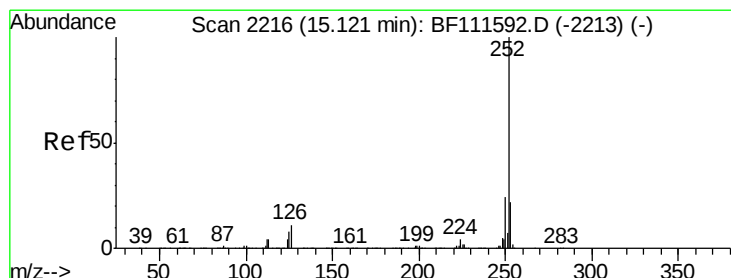
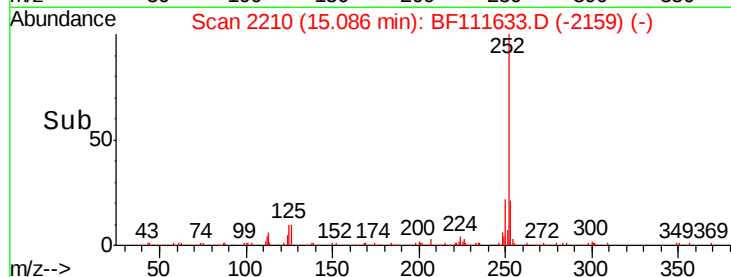
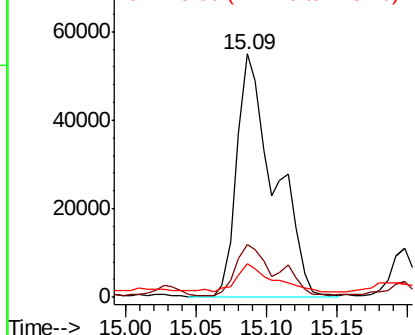
#88
Benzo(b)fluoranthene
Concen: 3.587 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	13.7	10.4	15.6

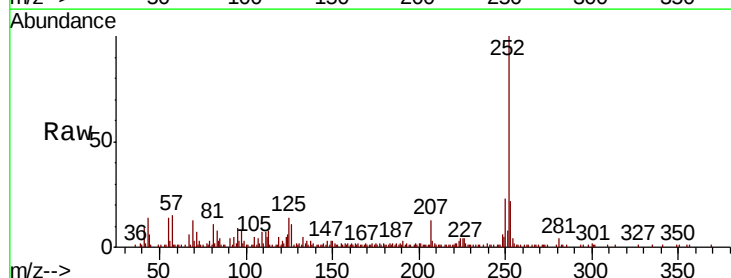


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

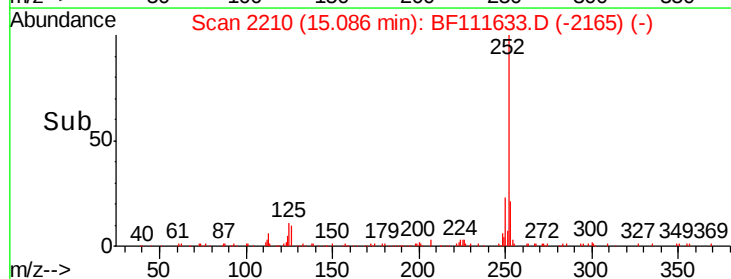
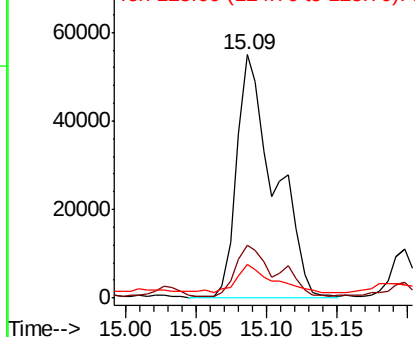


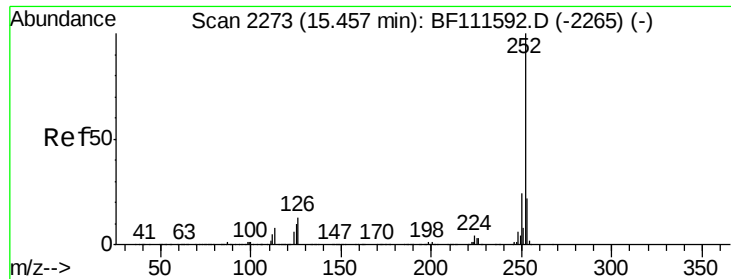
#89
Benzo(k)fluoranthene
Concen: 3.767 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF111633.D
Acq: 20 Dec 2018 12:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	13.7	9.8	14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.069 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BF111633.D

Acq: 20 Dec 2018 12:21

Instrument :

BNA_F

ClientSampleId :

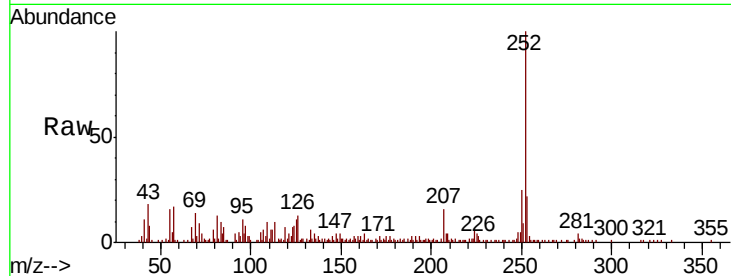
Tot Ion: 252 Resp: 53904

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 10.9 12.3 18.5#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

